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L5	1 S L4 (L) (NUCLEIC ACID OR POLYNUCLEOTIDE OR NUCLEOTIDE OR DNA

=> d his

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₩ER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS
       ÓN NUMBER:
                         2000:900776 HCAPLUS
      NT NUMBER:
                         134:67152
                         L-lysine production with coryneform bacterium
                         6-phosphofructokinase coding pfk gene
✓NVENTOR(S):
                         Sugimoto, Masakazu; Nakamura, Jun; Izui, Hiroshi;
                         Kimura, Eiichiro; Ito, Hisao; Nakamatsu, Tsuyoshi;
                         Kurahashi, Osamu
                         Ajinomoto Co., Inc., Japan
PATENT ASSIGNEE(S):
SOURCE:
                         PCT Int. Appl., 31 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:
                         Patent
LANGUAGE:
                         Japanese
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
     PATENT NO.
                      KIND DATE
                                          APPLICATION NO.
                                                            DATE
     WO 2000077172
                      A1
                            20001221
                                          WO 2000-JP3736
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                                                         Α
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                                        JP 1999-311111
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                                                            19991101
                                        WO 2000-JP3736
                                                         W
                                                            20000608
AB
     A coryneform bacterium having an enhanced 6-
     phosphofructokinase activity in cell and being capable of
     producing L-lysine; a process for producing L-lysine in the above
     coryneform bacterium; and a DNA usable in enhancing the
     6-phosphofructokinase activity, are disclosed. E. coli
     (pfkB) gene coding for 6-phosphofructokinase was
     expressed in Brevibacterium lactofermentum. Increased prodn. of L-lysine
     was obsd. in the transformants. A gene (pfk) coding for 6-
     phosphofructokinase was cloned from Brevibacterium lactofermentum.
REFERENCE COUNT:
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                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
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ab 1

L4ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2002 ACS 2001:396523 HCAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 135:2880

TITLE: The pfk gene of Corynebacterium glutamicum and its use

in increasing yields of lysine in fermentation

Mockel, Bettina; Pfefferle, Walter INVENTOR(S):

PATENT ASSIGNEE(S): Degussa A.-G., Germany SOURCE: Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent LANGUAGE: German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	AP	PLICATION N	ю. І	DATE		
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IE, SI	, LT, LV	, FI, RO						
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JP 2001186895	A2	20010710	JP	2000-35430	8 2	20001121		
CN 1297055	Α	20010530	CN	2000-13250	2 2	20001123		
BR 2000005543	Α	20010807	BR	2000-5543	2	20001123		
PRIORITY APPLN. INFO	o.:		DE 19	99-19956131	. A 1	19991123		
AB The pfk gene of Corynebacterium glutamicum ATCC13032 encoding a								
phosphofructok:	inase is	cloned a	d charac	terized for	use	in		

increasing the efficiency of fermn. of lysine by coryneform bacteria. The gene was identified by querying a C. glutamicum

sequence database for homologs of known pfk genes.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2001:393183 HCAPLUS

DOCUMENT NUMBER:

135:16690

TITLE: The pfkA gene of Corynebacterium glutamicum and its

use in increasing yields of lysine in fermentation

INVENTOR(S): Moeckel, Bettina; Pfefferle, Walter

Degussa-Huels A.-G., Germany PATENT ASSIGNEE(S):

Ger. Offen., 12 pp. SOURCE:

CODEN: GWXXBX

DOCUMENT TYPE: Patent LANGUAGE: German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND D.	ATE	APPLICATION NO.	DATE
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DE 10011922	A1 2	20010531	DE 2000-10011922	20000311
EP 1106622	A2 2	0010613	EP 2000-122746	20001019
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CN 1297054	A 2	0010530	CN 2000-132480	20001121
JP 2001186896	A2 2	0010710	JP 2000-354681	20001121
BR 2000005531	A 2	0010807	BR 2000-5531	20001123
PRIORITY APPLN. INFO	.:	Γ	DE 1999-19956133 A1	19991123
		ľ	E 2000-10011922 A	20000311

AB The pfkA gene of Corynebacterium glutamicum ATCC13032 encoding a phosphofructokinase is cloned and characterized for use in increasing the efficiency of fermn. of lysine by coryneform bacteria. The gene was identified by querying a C. glutamicum sequence database for homologs of known pfkA genes.

ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2000:900776 HCAPLUS

```
Kurahashi, Osamu
                         Ajinomoto Co., Inc., Japan
PATENT ASSIGNEE(S):
SOURCE:
                         PCT Int. Appl., 31 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:
                         Patent
LANGUAGE:
                         Japanese
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
     PATENT NO.
                      KIND DATE
                                          APPLICATION NO.
                                                            DATE
                                           ______
                                                            20000608
     WO 2000077172
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                      A1
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                                        JP 1999-311111
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                                        WO 2000-JP3736
                                                         W
                                                            20000608
AB
     A coryneform bacterium having an enhanced 6-
     phosphofructokinase activity in cell and being capable of
     producing L-lysine; a process for producing L-lysine in the above
     coryneform bacterium; and a DNA usable in enhancing the 6
     -phosphofructokinase activity, are disclosed. E. coli (pfkB)
     gene coding for 6-phosphofructokinase was expressed in
     Brevibacterium lactofermentum. Increased prodn. of L-lysine was obsd. in
     the transformants. A gene (pfk) coding for 6-
     phosphofructokinase was cloned from Brevibacterium lactofermentum.
REFERENCE COUNT:
                         8
                               THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
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L-lysine production with coryneform bacterium 6-phosphofructokinase

Sugimoto, Masakazu; Nakamura, Jun; Izui, Hiroshi; Kimura, Eiichiro; Ito, Hisao; Nakamatsu, Tsuyoshi;

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

134:67152

coding pfk gene

DOCUMENT NUMBER:

INVENTOR(S):

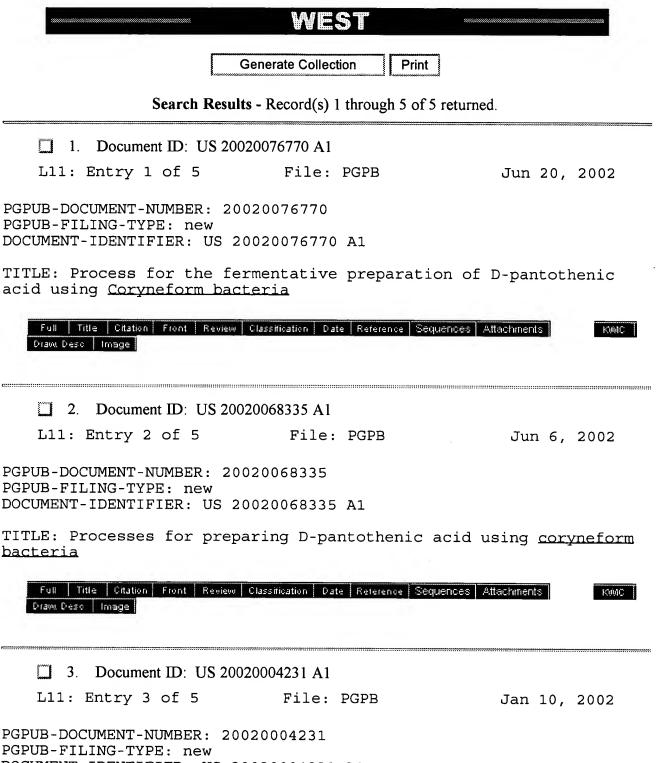
TITLE:

WEST Search History

DATE: Tuesday, August 27, 2002

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L7	coryneform or coryneform bacteria	444	L7
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L5	(((435/320.1)!.CCLS.))	12473	L5
L4	(((435/252.32)!.CCLS.))	116	L4
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L2	(((435/194)!.CCLS.))	922	L2
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END OF SEARCH HISTORY



DOCUMENT-IDENTIFIER: US 20020004231 A1

TITLE: L-glutamic acid-producing bacterium and method for producing L-glutamic acid



☐ 4. De	ocument ID: US 597	7331 A	
L11: Ent	cry 4 of 5	File: USPT	Nov 2, 1999
US-PAT-NO: !	5977331 ENTIFIER: US 59	977331 A	
TITLE: .alpl	haKetoglutara	ate dehydrogenase gene	е
	Citation Front Review nage	Classification Date Reference Seque	nces Attachments KWC

5. Do	ocument ID: US 584	6790 A	
L11: Ent	ry 5 of 5	File: USPT	Dec 8, 1998
US-PAT-NO: ! DOCUMENT-IDI	5846790 ENTIFIER: US 58	346790 A	
TITLE: Metho		ng L-lysine and L-glut	camic acid by
Full Title	Citation Front Review	Classification Date Reference Seque	nces Attachments Kwic
Draw, Desc Im	nage		
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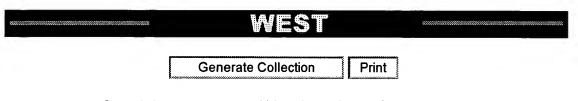
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Terms

L10 and 19

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1. Document ID: US 20020076770 A1

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File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020076770

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020076770 A1

TITLE: Process for the fermentative preparation of D-pantothenic acid using <u>Coryneform bacteria</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments
Draw Desc Image

KWMC

2. Document ID: US 20020068335 A1

L9: Entry 2 of 20

File: PGPB

Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020068335

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020068335 A1

TITLE: Processes for preparing D-pantothenic acid using coryneform bacteria

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Draw, Desc | Image |

KWIC

3. Document ID: US 20020004231 A1

L9: Entry 3 of 20

File: PGPB

Jan 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020004231

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020004231 A1

TITLE: L-glutamic acid-producing bacterium and method for producing L-glutamic acid

Full Title Citation Front Review Classification Date Reference Sequences Attachments

Draw Desc Image

kanac

4. Document ID: US 20010019836 A1

L9: Entry 4 of 20

File: PGPB

Sep 6, 2001

PGPUB-DOCUMENT-NUMBER: 20010019836

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010019836 A1

TITLE: L-glutamic acid-producing bacterium and method for producing L-glutamic acid

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KMMC |
Draw, Desc | Image |

5. Document ID: US 6331419 B1

L9: Entry 5 of 20

File: USPT

Dec 18, 2001

US-PAT-NO: 6331419

DOCUMENT-IDENTIFIER: US 6331419 B1

TITLE: L-glutamic acid-producing bacterium and method for producing L-glutamic acid



6. Document ID: US 6197559 B1

L9: Entry 6 of 20

File: USPT

Mar 6, 2001

US-PAT-NO: 6197559

DOCUMENT-IDENTIFIER: US 6197559 B1

TITLE: L-glutamic acid-producing bacterium and method for producing L-glutamic acid



7. Document ID: US 5977331 A

L9: Entry 7 of 20

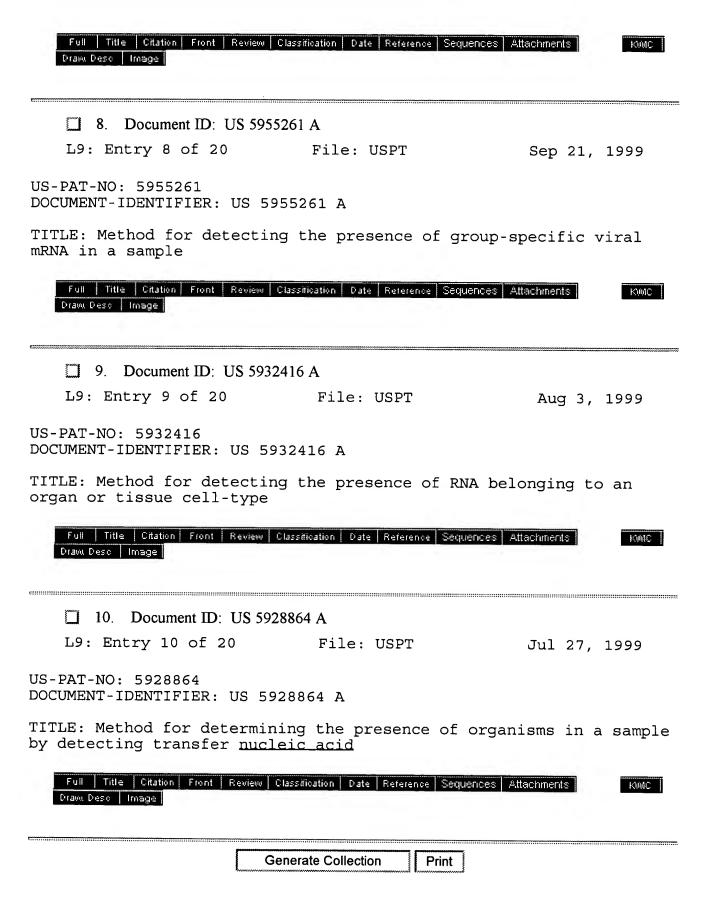
File: USPT

Nov 2, 1999

US-PAT-NO: 5977331

DOCUMENT-IDENTIFIER: US 5977331 A

TITLE: .alpha.-Ketoglutarate dehydrogenase gene



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Search Results - Record(s) 11 through 20 of 20 returned.

11. Document ID: US 5846790 A

L9: Entry 11 of 20

File: USPT

Dec 8, 1998

US-PAT-NO: 5846790

DOCUMENT-IDENTIFIER: US 5846790 A

TITLE: Methods of producing L-lysine and L-glutamic acid by

fermentation

Full Title Citation Front Review Classification Date Reference Sequences Attachments Drawt Desc | Image

KOMO

12. Document ID: US 5738989 A

L9: Entry 12 of 20

File: USPT

Apr 14, 1998

US-PAT-NO: 5738989

DOCUMENT-IDENTIFIER: US 5738989 A

TITLE: Method for determining the sensitivity of microorganisms to anti microbial agents using ribosomal nucleic acid hybridization



13. Document ID: US 5738988 A

L9: Entry 13 of 20 File: USPT

Apr 14, 1998

US-PAT-NO: 5738988

DOCUMENT-IDENTIFIER: US 5738988 A

TITLE: Method for detecting antimicrobial agents or unknown organisms in a sample using ribosomal probe hybridization



KWIC

14. Document ID: US 5723597 A

L9: Entry 14 of 20 File: USPT

Mar 3, 1998

US-PAT-NO: 5723597

DOCUMENT-IDENTIFIER: US 5723597 A

TITLE: Ribosomal nucleic acid probes for detecting organisms or

groups of organisms

Full Title Citation Front Review Classification Date Reference Sequences Attachments Draw, Desc Image

15. Document ID: US 5714324 A

L9: Entry 15 of 20

File: USPT

Feb 3, 1998

US-PAT-NO: 5714324

DOCUMENT-IDENTIFIER: US 5714324 A

TITLE: Methods for producing hybridization probes specific for rRNA

subunit subsequences



K004C

16. Document ID: US 5688645 A

L9: Entry 16 of 20 File: USPT Nov 18, 1997

US-PAT-NO: 5688645

DOCUMENT-IDENTIFIER: US 5688645 A

TITLE: Method for detecting, identifying, and quantitating

non-viral organisms



KWIC

17. Document ID: US 5641632 A

L9: Entry 17 of 20

File: USPT

Jun 24, 1997

US-PAT-NO: 5641632

DOCUMENT-IDENTIFIER: US 5641632 A

TITLE: Method for preparing rRNA for hybridization with a probe

Full Title Citation Front Review Classification Date Reference Sequences Attachments Draw Desc Image

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18. Document ID: US 5641631 A

L9: Entry 18 of 20

File: USPT

Jun 24, 1997

US-PAT-NO: 5641631

DOCUMENT-IDENTIFIER: US 5641631 A

TITLE: Method for detecting, identifying, and quantitating

organisms and viruses



KOMC

19. Document ID: US 5601984 A

L9: Entry 19 of 20

File: USPT

Feb 11, 1997

US-PAT-NO: 5601984

DOCUMENT-IDENTIFIER: US 5601984 A

TITLE: Method for detecting, the presense or amount of a taxonomic group of organisms using specific R-RNA subsequences as probes



ROMO

20. Document ID: US 5567587 A

L9: Entry 20 of 20

File: USPT

Oct 22, 1996

US-PAT-NO: 5567587

DOCUMENT-IDENTIFIER: US 5567587 A

TITLE: Method for detecting, the presence and amount of prokaryotic organisms using specific rRNA subsequences as probes



KWIC

Generate Collection Print

Terms Documents

L8 and (nucleic acid or polynucleotide or nucleotide or DNA or cDNA)

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